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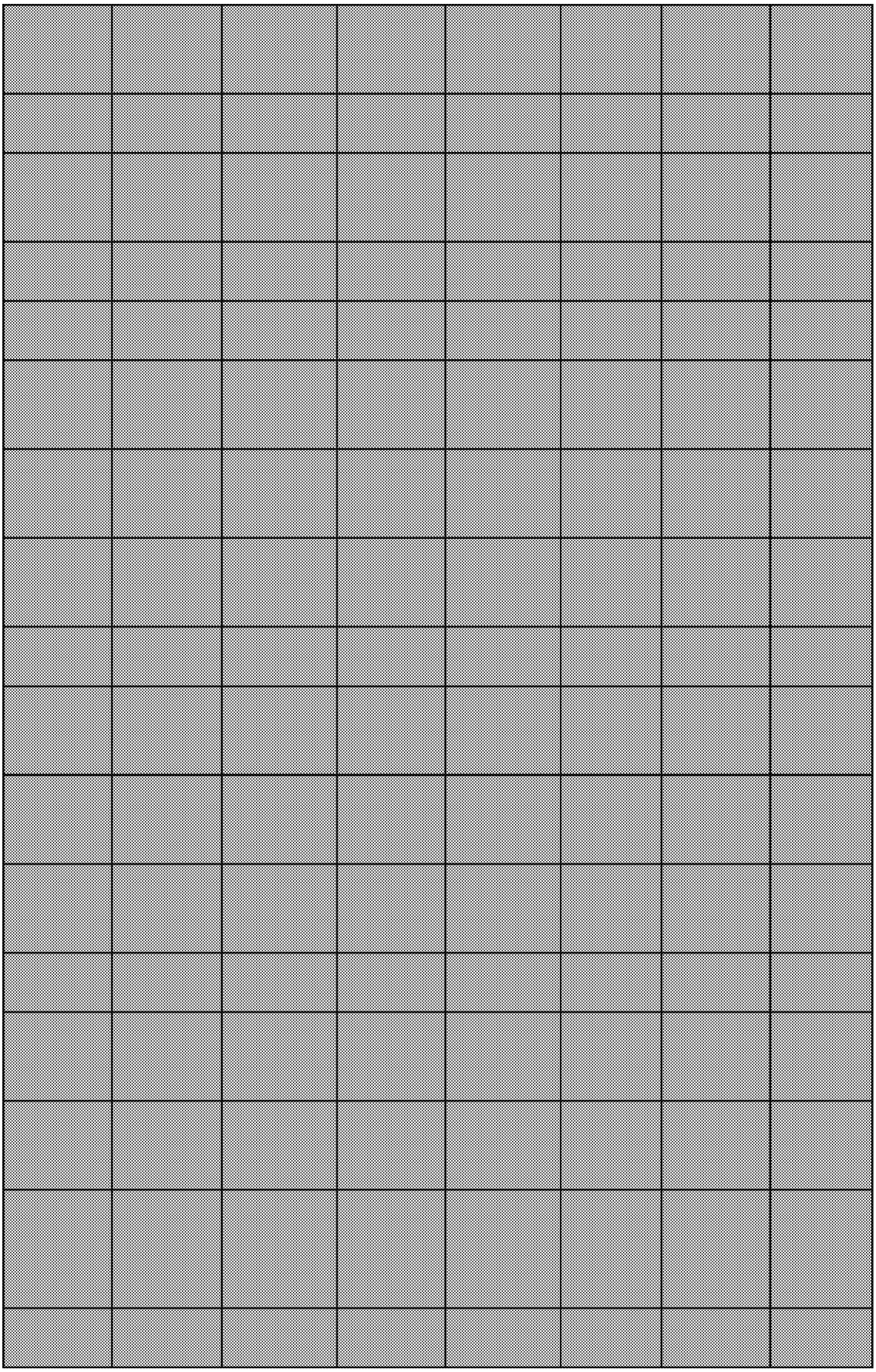

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The ferredoxin:thioredoxin reductase is an essential enzyme of the light dependent regulatory system in oxygenic photos
An NAD(H)-dependent artificial mediator accepting pyridine nucleotide oxidoreductase present in Clostridium thermoac
The iron storage protein ferritin can contribute to or protect against toxicities which involve iron. Iron can catalyze the ox
The formation of reactive oxygen species during the redox cycling of sodium nitroprusside by rat liver microsomes and b
Photosynthetic carbon metabolism is initiated by ribulose-bisphosphate carboxylase/oxygenase (Rubisco), which uses bc
A series of hemo-protein-derived photocatalysts, prepared by reconstitution of the respective apo-proteins with Co(II)-p
The influence of various experimental parameters on the electrochemical response of zeolite-modified electrodes (ZMEs
Intracellular production of active oxygen in the brown alga Fucus evanescens C. Ag: was studied by measuring the capaci
The present study was designed to investigate the effects of 2-nitrosofluorene (NOF), a metabolite of carcinogenic 2-acet
Strong irradiation induced in isolated chloroplasts and thylakoids of E. gracilis inactivating and damaging processes of me
When Clostridium formicoaceticum was grown on fumarate or L-malate crude cell extracts contained a high fumarate re
Fluorescein was covalently attached through a cyst;amine linker group to carboxy-derivatized polyacrylamide microsphe
The psaB gene product (PsaB protein), one of the reaction center subunits of Photosystem I (PS I), was specifically degrac
Rhodobacter sphaeroides f. sp. denitrificans biotin sulfoxide reductase has been heterologously expressed in Escherichia
We examined effects of several compounds, structurally related to 1-methyl-4-phenylpyridinium (MPP+), on the NADH-c
The flavoenzyme ferredoxin-NADP+ reductase (FNR) is a member of the cellular defense barrier against oxidative damag
Incubation of wild-type ferredoxin (Fd) with Chlamydomonas reinhardtii crude extract in the presence of a carboxyl activ
As part of our studies of Azospirillum brasilense glutamate synthase, a complex iron-sulfur flavoprotein, we have overpro
We investigated the existence of an NADH-dependent paraquat (PQ) reduction system in rat liver mitochondria (Mt) in re

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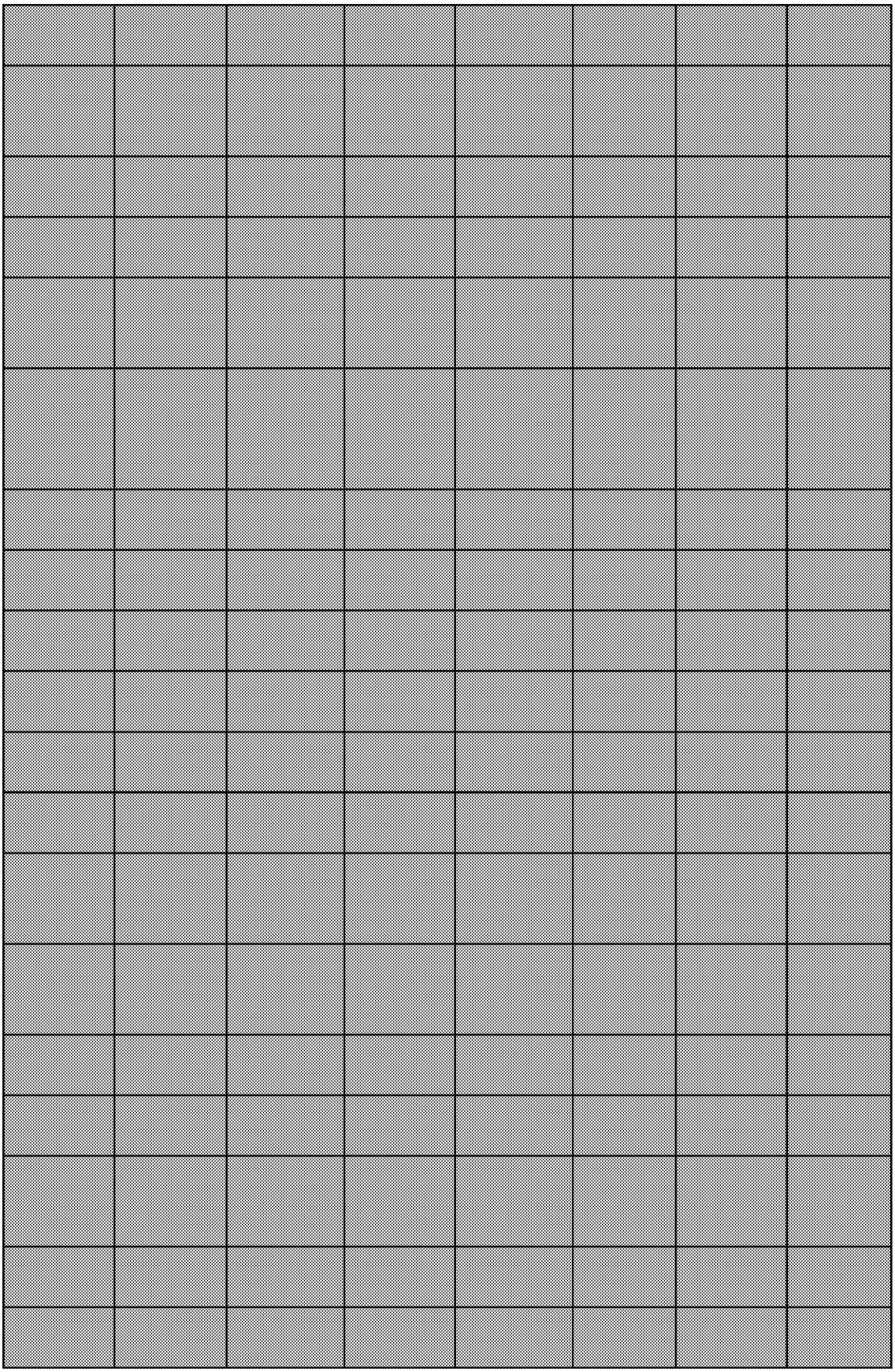

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Treatment of the ferredoxin-dependent, spinach glutamate synthase with N-bromosuccinimide (NBS) modifies 2 mol of t
7,8-Dihydroxy-4-methylcoumarin (DHMC) and 7,8-diacetoxy-4-methylcoumarin (DAMC) have been reported to effectivel
The katG gene coding for the only catalase-peroxidase in the cyanobacterium Synechocystis sp. strain PCC 6803 was dele
We observed induction of additional trichome formation on the adaxial surface of mature leaves of Arabidopsis after ma
The generation of oxygen free radicals was investigated using cytochemistry and its energy-filtering transmission electro
The chick kidney mitochondrial iron--sulphur protein (ferredoxin), a component of the NADPH--cytochrome P-450 reduct
The first one-electron reduction steps of paraquat and diquat were compared using microsomal and mitochondrial fracti
The stability of chloroplastic glutamine synthetase (GS; EC 6.3.1.2) was investigated under photooxidative stress using wl
Some six or so physiological systems, essential to normal mammalian life, are involved in poisoning; an intoxication that
Previous work showed a transient but dramatic arrest in the synthesis of Rubisco large subunit (LSU) upon transfer of Chl
No decrease in iron-sulphur centers was found in cultured macrophage cells (J774) after the treatment with nitric oxide (
Metabolic pathways involved in the formation of cytotoxic end products by Porphyromonas gingivalis were studied. The
Rhodobacter sphaeroides f. sp. denitrificans biotin sulfoxide reductase (BSOR) catalyzes the reduction of d-biotin d-sulfo
Standard electrochemical data for high-quality, boron-doped diamond thin-film electrodes are presented. Films from tw
We compared the effect of photoinhibition by excess photosynthetically active radiation (PAR), UV-B irradiation combine
Chloroplast-encoded NDH polypeptides (components of the plastid Ndh complex) and the NADH dehydrogenase activity
Methylviologen (MV) induces oxidative damages in leaves. In order to understand its mechanism we studied initial bioch
Heavy metals and polycyclic aromatic hydrocarbons (PAHs) are often cocontaminants in industrialized environments, yet
Paracoccus halodenitrificans, grown anaerobically in the presence of nitrite, contained membrane and cytoplasmic nitrit
Excitation into either the metal-to-ligand charge-transfer, MLCT, band or the ligand field, LF, band of W(CO)(4)(phen) pro
Quenching of the 3MLCT excited state of [Ru(bpy)3]2+ (bpy=bipyridine) by the reduction products (MV*+ and MV0) of m

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